MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI–DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175–2474
T (786) 315–2590 F (786) 315–2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Pella Corporation
102 Main Street
Pella, IA 50219

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami–Dade County RER–Product Control Section to be used in Miami–Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami–Dade County Product Control Section (In Miami–Dade County) and/ or the AHJ (in areas other than Miami–Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami–Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Architect 850" Aluminum Clad Outswing Wood Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. **1729**, titled "Architect 850 Series Out–Swing Aluminum Clad Wood Doors", sheets 01 through 10 of 10, dated 12/13/2010 with the latest revision, dated 01/08/2011, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E., bearing the Miami–Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series and following statement: "Miami–Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami–Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA No. 11–1026.16** and consists of this page 1, evidence pages E–1 and E–2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**

MIAMI-DADE COUNTY APPROVED

J-Gascon 6/18/14

Pella Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under previous NOA No. 10–1222.03)
2. Drawing No. **1729**, titled "Architect 850 Series Out–Swing Aluminum Clad Wood Doors", sheets 01 through 10 of 10, dated 12/13/2010 with the latest revision, dated 01/08/2011, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E.
   (Submitted under previous NOA No. 11–1026.16)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
   3) Water Resistance Test, per FBC, TAS 202–94
   4) Large Missile Impact Test per FBC, TAS 201–94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   6) Forced Entry Test, per FBC 2411.3.2.1, TAS 202–94

   along with marked–up drawings and installation diagram of outswing door, prepared by Stork Twin City Testing Corporation, Test Report No. **TCT 003842–P**, dated 09/21/2010, signed and sealed by Thomas A. Kolden. P. E.
   (Submitted under previous NOA No. 10–1222.03)

C. CALCULATIONS

1. Anchor calculations and structural analysis, complying with FBC, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 12/15/2010, signed and sealed by Warren W. Schaefer, P. E.
   (Submitted under previous NOA No. 10–1222.03)
2. **Glazing complies with ASTM E1300–04/ 09**

D. QUALITY ASSURANCE

1. Miami–Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **13–0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their **"DuPont Butacite® PVB Interlayer"** dated 04/11/13, expiring on 12/11/2016.

F. STATEMENTS

1. Statement letter of conformance and compliance with the **FBC 5TH Edition (2014)**, dated 04/15/2014, signed and sealed by Warren W. Schaefer, P. E.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14–0428.06
Expiration Date: February 10, 2016
Approval Date: June 26, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

2. Statement letter of conformance and compliance with the **FBC–2010**, dated 10/20/2011, signed and sealed by Warren W. Schaefer, P. E.
   (Submitted under previous NOA No. 11–1026.16)
3. Statement letter of no financial interest and independence, dated 10/19/2011, signed and sealed by Warren W. Schaefer, P. E.
   (Submitted under previous NOA No. 11–1026.16)
4. Statement letter of compliance with the **FBC–2007**, dated 12/15/2010, signed and sealed by Warren W. Schaefer, P. E.
   (Submitted under previous NOA No. 10–1222.03)
5. Laboratory compliance letter for Test Report No. **TCT 003842–P**, issued by Stork Twin City Testing Corporation, dated 09/21/2010, signed and sealed by Thomas A. Kolden, P. E.
   (Submitted under previous NOA No. 10–1222.03)
6. Proposal No. **10–0609** issued by Product Control, dated 07/06/2010, signed by Jaime D. Gascon, P. E.
   (Submitted under previous NOA No. 10–1222.03)

G. OTHERS

1. Notice of Acceptance No. **11–1026.16**, issued to Pella Corporation for their Series "**Architect 850 Aluminum Clad Outswing Wood Door – L.M.I.**", approved on 01/12/2012 and expiring on 02/10/2016.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14–0428.06
Expiration Date: February 10, 2016
Approval Date: June 26, 2014

GENERAL NOTES:

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCALS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. All WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME/SILL SCREWS			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(2) MIN. C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
HINGE SCREWS			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
STRIKE SCREWS			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(2) MIN. C-90 CMU	(1) 3/16" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/2"	2"
INSTALLATION CLIP SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
(2) CMU IS APPLICABLE AT SIDES ONLY.
(3) 2X6 BUCKS MAY BE RIPPED DOWN TO MIN. 4 1/2" DEPTH EXCEPT WHEN THE INSTALLATION CLIP CONDITION APPLIES.

EDGE DISTANCE MAY BE DECREASED TO 1/2" IF SCREWS ARE ANGLED 15 TO 20 DEGREES AWAY FROM THE EDGE.

ALLOWABLE DESIGN PRESSURE (DOUBLE OPERABLE DOORS)

MAXIMUM FRAME HEIGHT (IN.)	MAXIMUM FRAME WIDTH (IN.)	DESIGN PRESSURE POSITIVE (PSF)	DESIGN PRESSURE NEGATIVE (PSF)
119.5	75	50.0	50.0
	71.25	52.6	52.6
	66.25	55.0	56.6
	59.25	55.0	63.3
	50	55.0	75.0
107.5	75	55.0	55.6
	71.25	55.0	58.5
	66.25	55.0	62.9
	59.25	55.0	70.4
	50	55.0	83.4
95.5	75	70.0	70.0
	71.25	70.0	73.7
	66.25	70.0	79.2
	59.25	70.0	85.0
86.0	75	70.0	77.7
	71.25	70.0	81.8
	66.25	70.0	85.0
81.5	75	70.0	85.0

NOTE: SEE GLASS OPTION 2 GLASS VS. PRESSURE RESTRICTION WITH I.G. GLAZING DETAIL ON SHEET 5.

ALLOWABLE DESIGN PRESSURE (SINGLE OPERABLE DOORS)

MAXIMUM FRAME HEIGHT (IN.)	MAXIMUM FRAME WIDTH (IN.)	DESIGN PRESSURE POSITIVE (PSF)	DESIGN PRESSURE NEGATIVE (PSF)
119.5	37.875	50.0	50.0
	36	52.6	52.6
	33.5	55.0	56.5
	30	55.0	63.1
	25.375	55.0	74.6
107.5	37.875	55.0	55.6
	36	55.0	58.5
	33.5	55.0	62.8
	30	55.0	70.2
	25.375	55.0	83.0
95.5	37.875	70.0	70.0
	36	70.0	73.6
	33.5	70.0	79.1
	30	70.0	85.0
86.0	37.875	70.0	77.7
	36	70.0	81.8
	33.5	70.0	85.0
81.5	37.875	70.0	85.0

NOTE: SEE GLASS OPTION 2 GLASS VS. PRESSURE RESTRICTION WITH I.G. GLAZING DETAIL ON SHEET 5.

HINGE REQUIREMENTS

MAX. FRAME HEIGHT	QUANTITY PER PANEL
119.5"	6
107.875"	5
99.375"	4
83.875"	3

HINGES ARE APPROX. 9.5" FROM HINGE CENTER TO THE TOP & BOTTOM OF THE DOOR FRAME & EQUALLY SPACED BETWEEN.

CORNER CONSTRUCTION:

WOOD JAMBS: SIDE JAMBS ARE COPED & BUTTED TO HEAD & SILL AND SECURED WITH 2 NO. 8 X 3" WOOD SCREWS AT EACH HEAD CORNER AND 3 NO. 8 X 3" WOOD SCREWS AT EACH SILL CORNER.

JAMB CLADDING: CLADDING IS MITER CUT & JOINED AT HEAD WITH CORNER KEY & 2 NO. 10 X 17/32" SCREWS PER CORNER & BUTTED AT SILL AND JOINED WITH 2 NO. 10 X 3/4" SCREWS PER CORNER.

PANEL: RAILS ARE BUTTED TO STILES & JOINED WITH 2 NO. 12 X 4" SCREWS AT TOP RAIL & 3 NO. 12 X 4" SCREWS AT BOTTOM RAIL ON THE HINGE SIDE. ON THE LOCK SIDE, NO. 12 X 6" SCREWS ARE USED

PRODUCT REVISED
as complying with the Florida
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Acceptance No 14-0428.06
Expiration Date 02/10/2016
By
Miami Dade Product Control

PRODUCT REVISED
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Building Code
Acceptance No 11-1026.16
Expiration Date 02/10/2016
By
Miami Dade Product Control

Approved as complying with the
Florida Building Code
Date 02/10/2011
NOA# 10-1222.03
Miami Dade Product Control
By

LICENSED WARREN W. SCHAEFER No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 12/13/10

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE: ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS

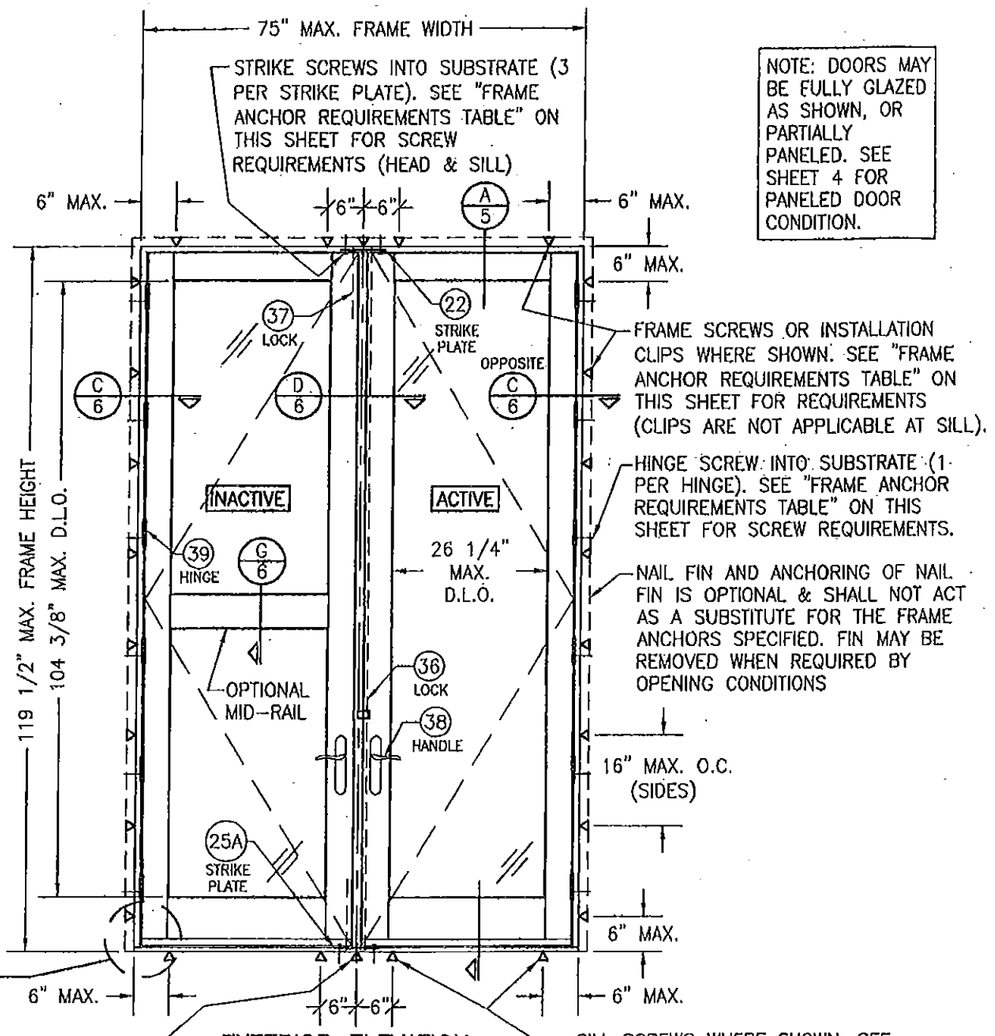
MANUFACTURER: PELLA CORPORATION, 102 MAIN STREET, PELLA, IA 50219

CONSULTANT'S: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809), 7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418, PHONE: 561-744-3424

CERTIFICATION: JAN 08 2011, WARREN W. SCHAEFER, P.E. P.E. NO. 44135

DRAWING NO. 1729 | REV.

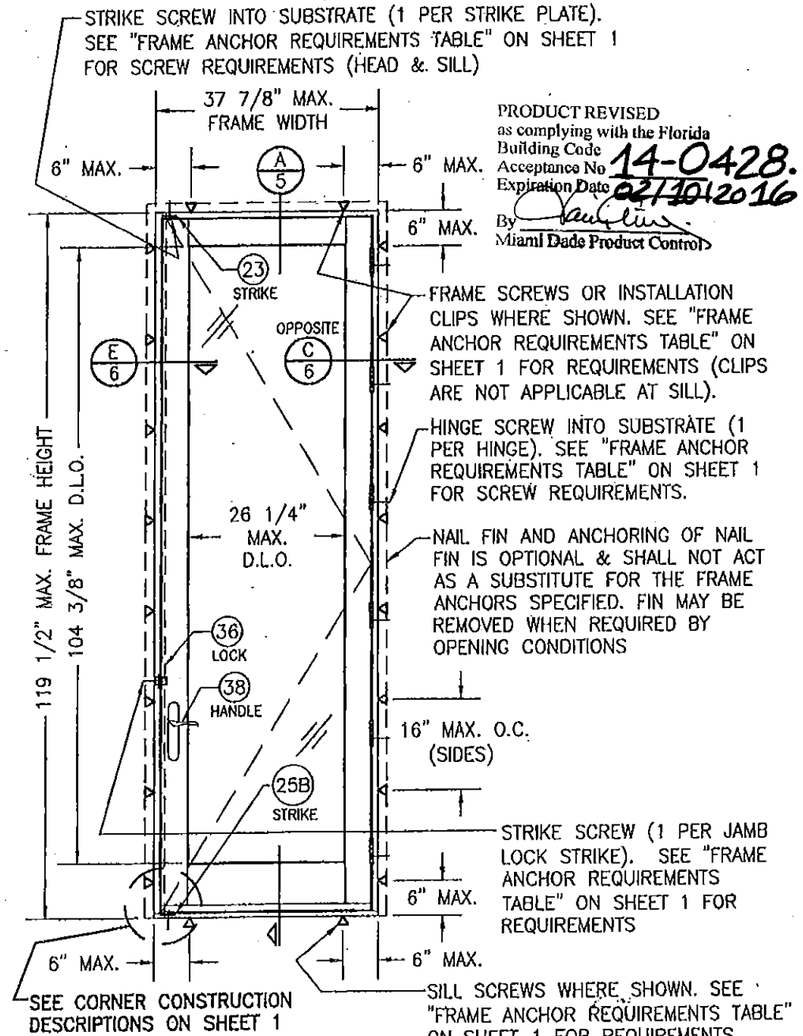
SHEET NO. 1 OF 10



NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, OR PARTIALLY PANELED. SEE SHEET 4 FOR PANELED DOOR CONDITION.

EXTERIOR ELEVATION:
DOUBLE RECTANGULAR DOOR
SCALE: 1/2" = 1'-0"

ALLOWABLE DESIGN PRESSURE (DOUBLE OPERABLE DOOR)
SEE SHEET 1



EXTERIOR ELEVATION:
SINGLE RECTANGULAR DOOR
SCALE: 1/2" = 1'-0"

ALLOWABLE DESIGN PRESSURE (SINGLE OPERABLE DOOR)
SEE SHEET 1

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102 MAIN STREET
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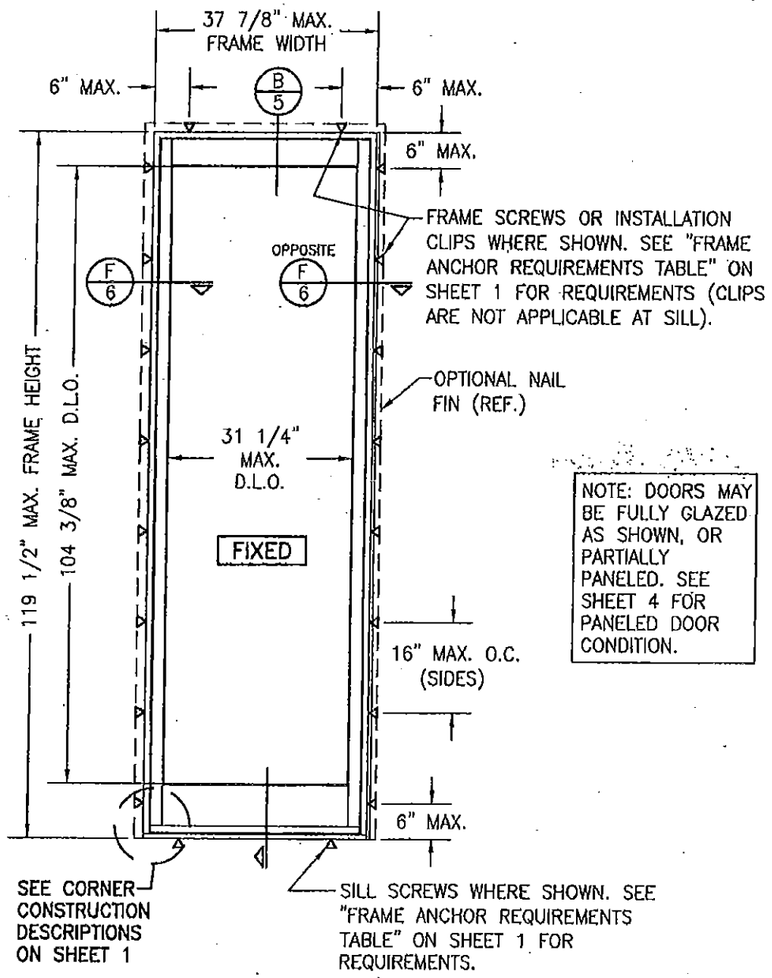
PHONE: 561-744-3424

CERTIFICATION
JAN 06 2011

DRAWING NO.	REV.
1729	

SHEET NO.
2 OF 10



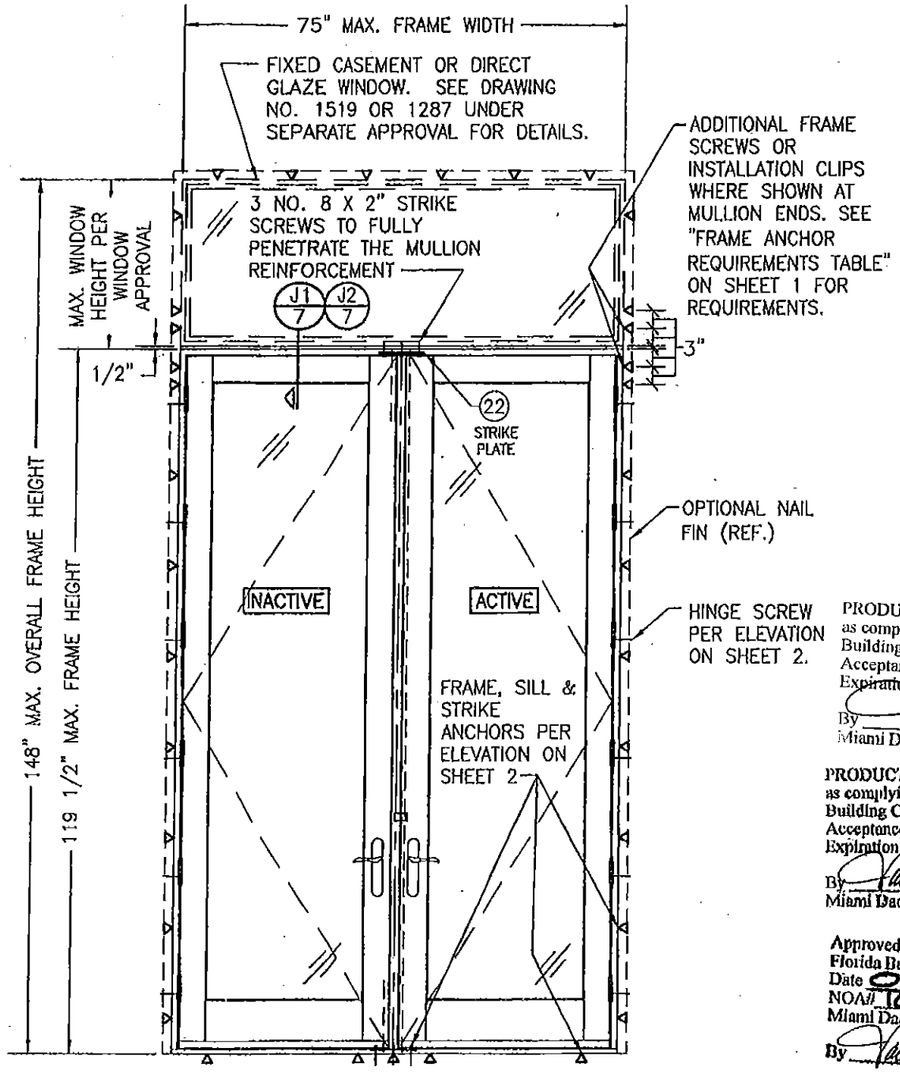
NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, OR PARTIALLY PANELED. SEE SHEET 4 FOR PANELED DOOR CONDITION.

EXTERIOR ELEVATION
SINGLE FIXED PANEL

SCALE: 1/2"=1'-0"

ALLOWABLE DESIGN PRESSURE (FIXED PANEL DOOR)
+70/-85 PSF

NOTE: SEE GLASS OPTION 2 GLASS VS. PRESSURE RESTRICTION WITH I.G. GLAZING DETAIL ON SHEET 5.



EXTERIOR ELEVATION
DOUBLE OUTSWING DOOR WITH TRANSOM

SCALE: 1/2"=1'-0"

TRANSOM UNIT NOTES:
1. FOR INSTALLATION OF THE DOOR UNIT AND OTHER DETAIL NOT SHOWN, SEE THE INDIVIDUAL UNIT ELEVATIONS.
2. DOUBLE DOOR WITH TRANSOM CONDITION SHOWN. SINGLE SWING DOOR WITH TRANSOM & FIXED PANEL DOOR WITH TRANSOM ALSO APPLY EXCEPT THERE IS NO LIMITATION ON THE OVERALL UNIT HEIGHT EXCEPT AS DICTATED BY THE INDIVIDUAL DOOR AND WINDOW.

ALLOWABLE DESIGN PRESSURE (TRANSOM MULLED UNIT)
ALLOWABLE PRESSURE SHALL BE AS GOVERNED BY THE INDIVIDUAL DOOR OR WINDOW (NOT TO EXCEED +/-55 PSF)

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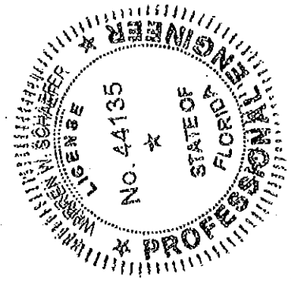
Date 02/10/2011
NOA# 10-1122.03
Miami Dade Product Control
By



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102 MAIN STREET
PELLA, IA 50219

CONSULTANTS
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7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE 561-744-3424

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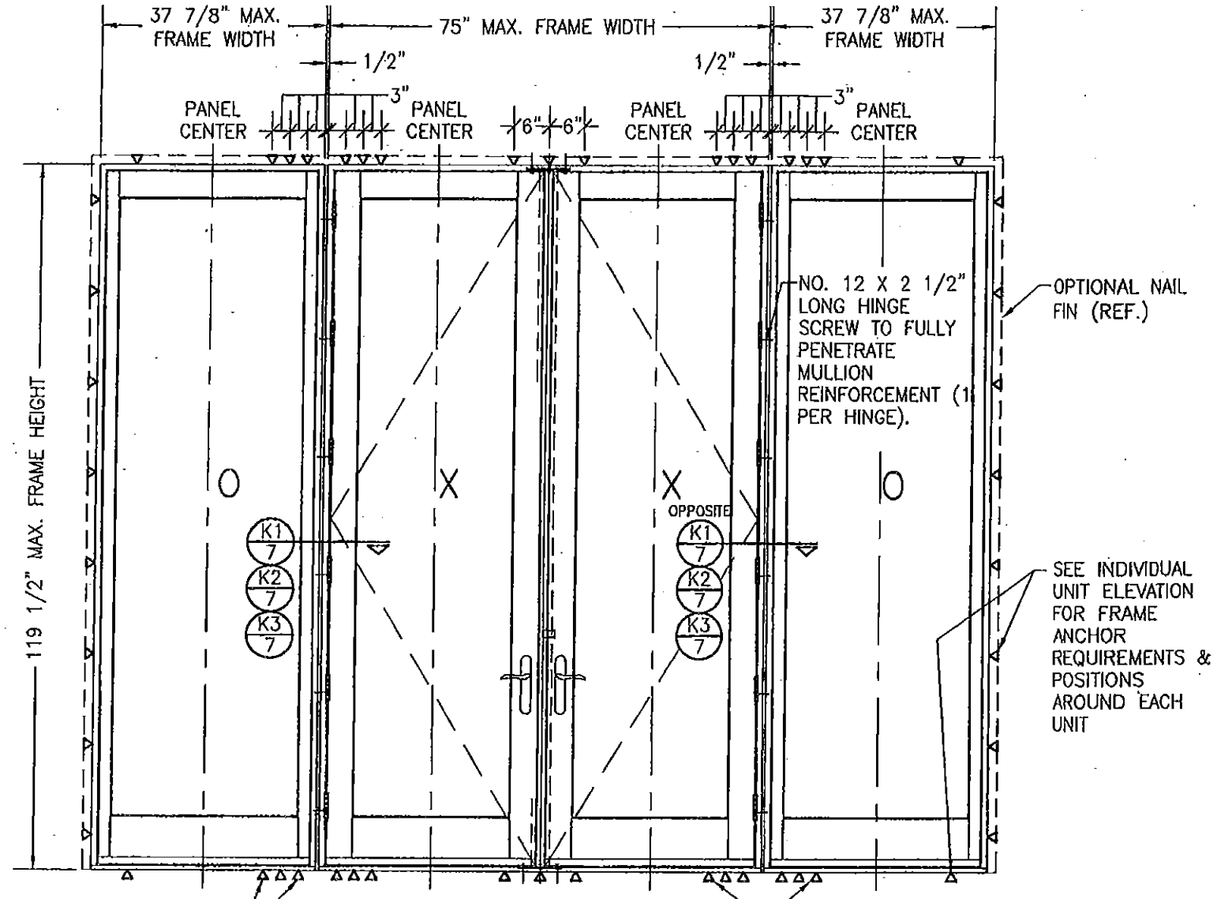
DRAWING NO. 1729
REV.
SHEET NO. 3 OF 10



PLACE 2 ADDITIONAL FRAME ANCHORS EACH SIDE OF MULLION (TYP. AT HEAD & SILL).

THE OUTER MOST ANCHOR EACH SIDE OF THE MULLION IS NOT REQUIRED AT WHEN DISTANCE BETWEEN DOOR PANEL CENTERLINES IS 34" OR LESS OR FRAME HEIGHT IS 108" OR LESS

EXTERIOR ELEVATION: DOUBLE DOORS WITH FIXED PANELS

SCALE: 1/2" = 1'-0"

THE OUTER MOST ANCHORS ARE NOT REQUIRED AT MULLIION ENDS WHEN DISTANCE BETWEEN DOOR PANEL CENTERLINES IS 35" OR LESS OR FRAME HEIGHT IS 109" OR LESS

MULTIPLE UNIT NOTES:

1. FOR INSTALLATION AND OTHER DETAIL NOT SHOWN, SEE THE INDIVIDUAL UNIT ELEVATIONS.
2. THERE IS NO LIMIT ON THE NUMBER OF DOORS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERED FROM THE DOORS & THEIR MULLIONS.
3. OXXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.

ALLOWABLE DESIGN PRESSURE (SIDE-BY-SIDE MULLED UNIT)
+/-50 PSF

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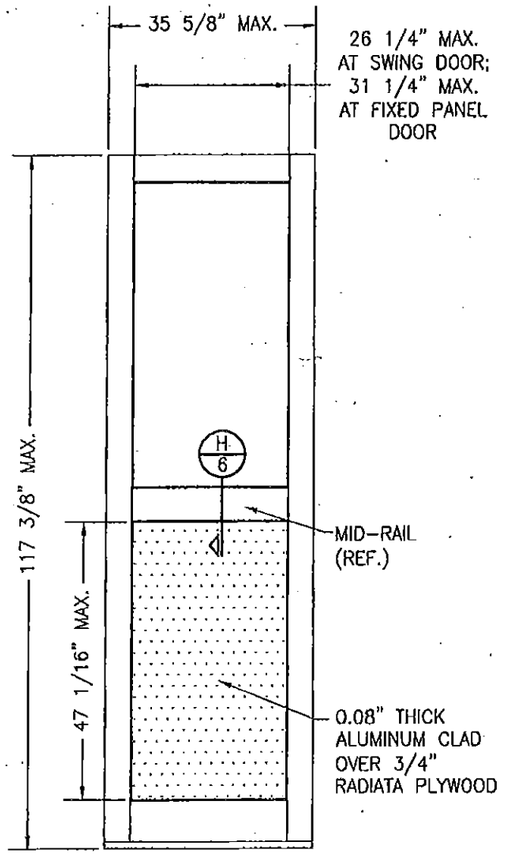

EXTERIOR ELEVATION PARTIAL PANEL WITH STANDARD MID RAIL

SCALE: 1/2"=1'-0"

NOTES:
1) MULTIPLE MIDRAILS MAY BE USED IN ONE PANEL.
2) PANEL CONDITION IS APPLICABLE TO BOTH OPERABLE & FIXED PANELS

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NOA# 10-1225.03
Miami Dade Product Control
By

WARREN W. SCHAEFER LICENSE NO. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN BY: W.W.S. | CHECKED BY: W.W.S.
PLOT: 1=24 | DATE: 12/13/10

NO.	REVISION DESCRIPTION	BY	DATE

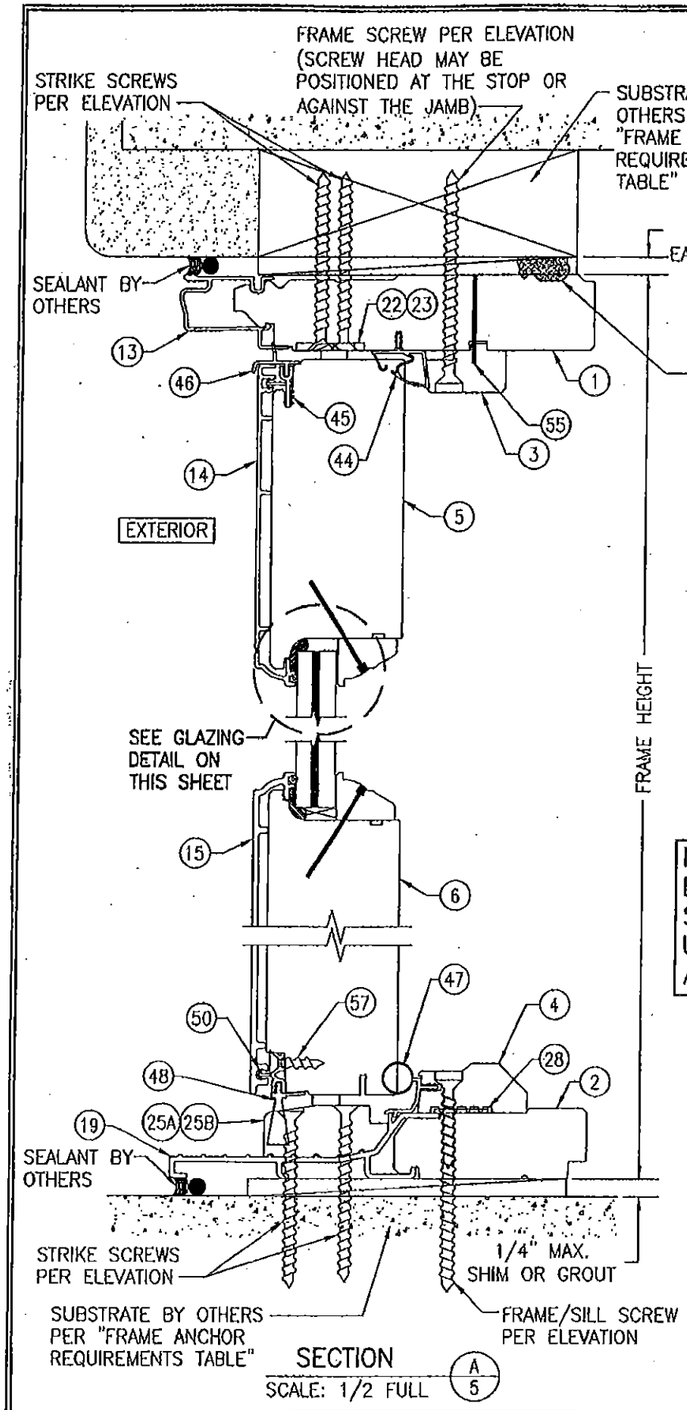
DRAWING TITLE
ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS

MANUFACTURER
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE 561-744-3424

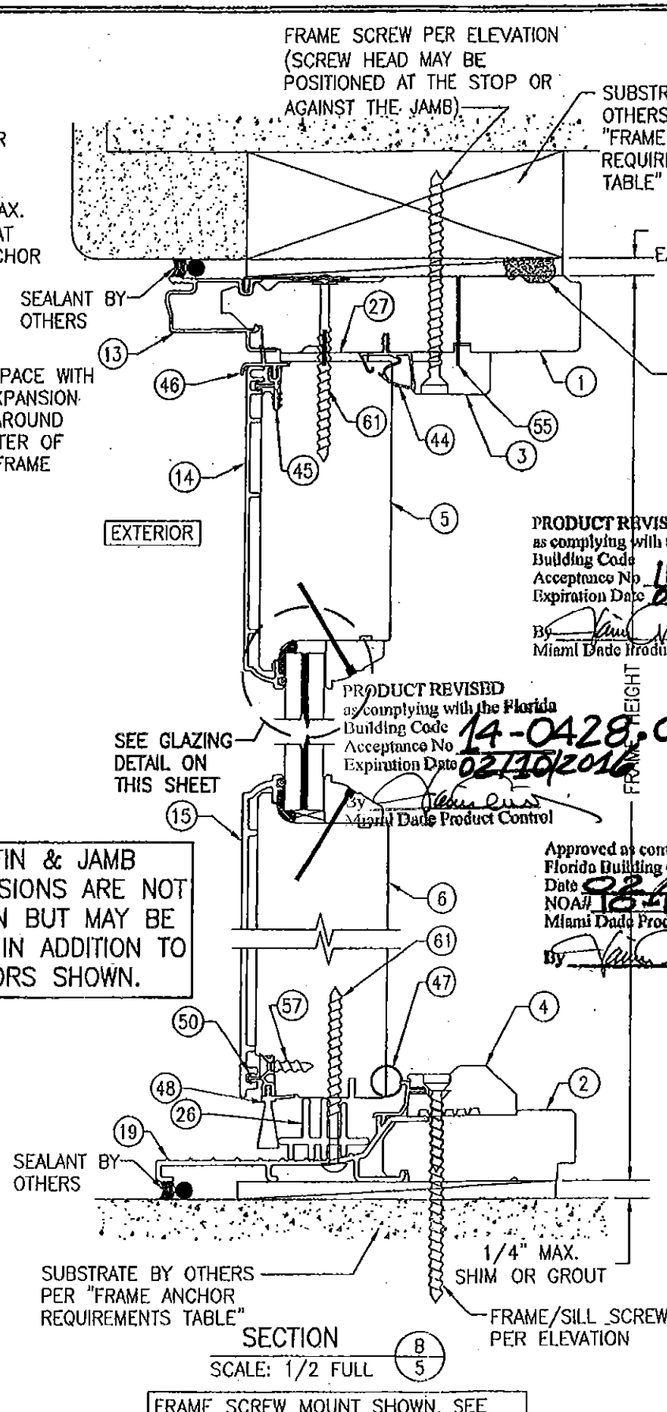
CERTIFICATION
JAN 06 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1729 | REV.
SHEET NO. 4 OF 10



SECTION A/5
SCALE: 1/2 FULL

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



SECTION B/5
SCALE: 1/2 FULL

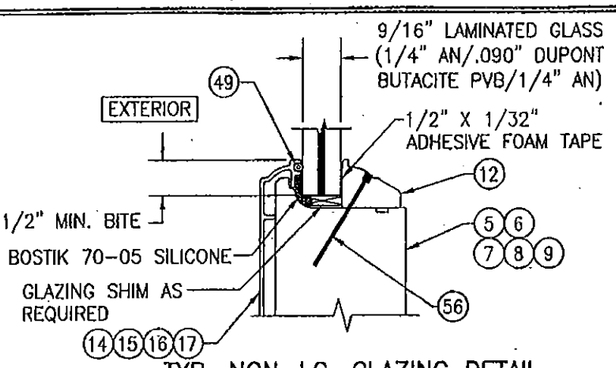
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

NAIL FIN & JAMB EXTENSIONS ARE NOT SHOWN BUT MAY BE USED IN ADDITION TO ANCHORS SHOWN.

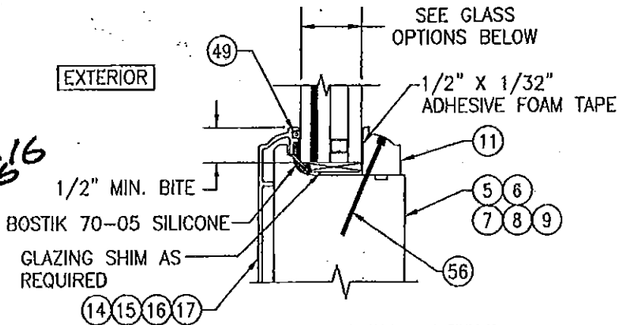
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-1086.16
Expiration Date 02/10/2016
By
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0428.06
Expiration Date 02/10/2016
By
Miami Dade Product Control

Approved as complying with the Florida Building Code
Date 02/10/2011
NOA# 10-1222.03
Miami Dade Product Control
By



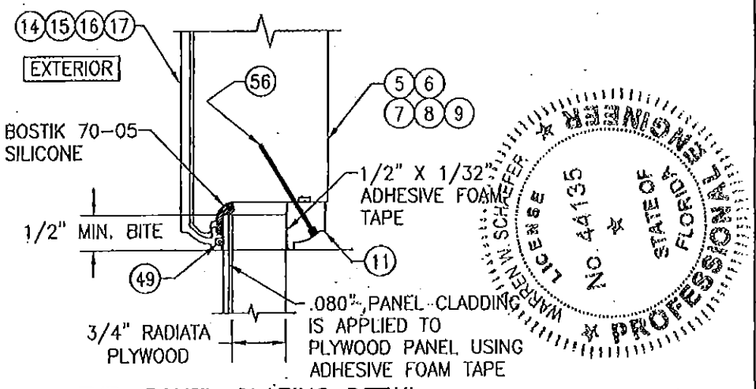
TYP. NON-I.G. GLAZING DETAIL
(APPLICABLE WITH ALL DOOR CONDITIONS)



TYP. I.G. GLAZING DETAIL

GLASS OPTION 1 (APPLICABLE WITH ALL DOOR CONDITIONS): 7/8" THICK LAMINATED I.G. (3/16" TEMP. INBOARD/1/4" AIR SPACE/3/16 AN./0.09 DUPONT BUTACITE PVB/3/16" AN. OUTBOARD)

GLASS OPTION 2: 7/8" THICK LAMINATED I.G. (3/16" TEMP. INBOARD/5/16" AIR SPACE/1/8 AN./0.09 DUPONT BUTACITE PVB/1/8" AN. OUTBOARD). NOTE: THIS GLASS IS NOT APPLICABLE WHEN DOOR D.L.O. HEIGHT EXCEEDS 80 3/8", D.L.O. WIDTH EXCEEDS 26 1/4" OR JOB REQUIRED DESIGN NEGATIVE PRESSURE EXCEEDS -80.0 PSF")



TYP. PANEL GLAZING DETAIL

NO.	REVISION DESCRIPTION	BY	DATE

DRAWN BY: W.W.S. | CHECKED BY: W.W.S.
PLOT: 1-24 | DATE: 12/13/10

DRAWING TITLE: ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS

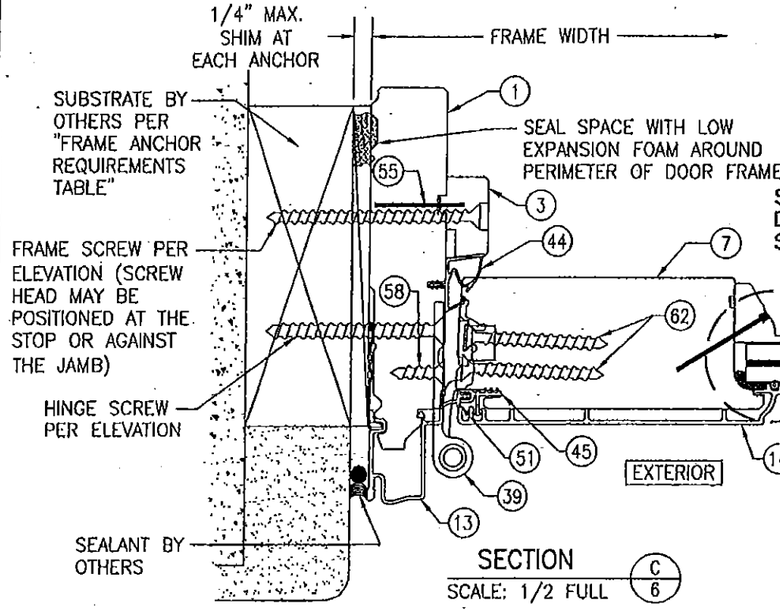
MANUFACTURER: PELLA CORPORATION, 102 MAIN STREET, PELLA, IA 50219

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809), 7480 130TH COURT NORTH, PALM BEACH GARDENS, FL 33418, PHONE: 561-744-3424

CERTIFICATION: JAN 06 2011
WARREN W. SCHAEFER, P.E. LICENSE NO. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

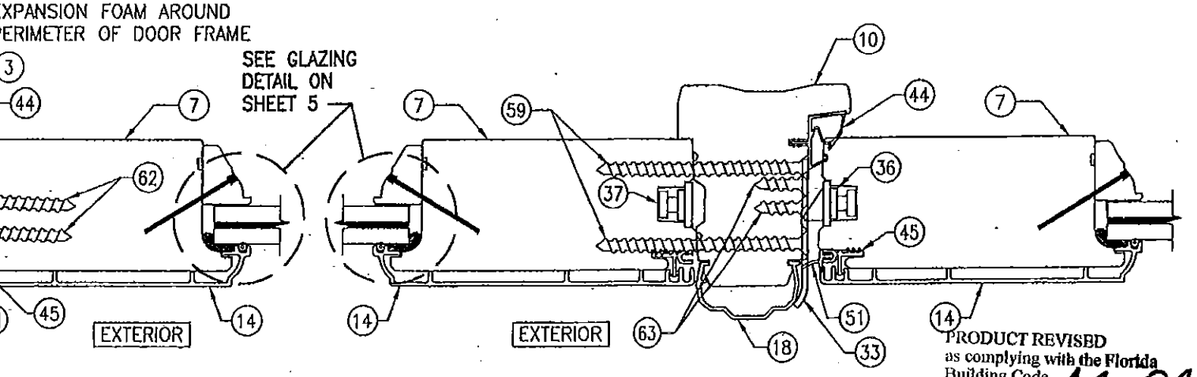
DRAWING NO. 1729 | REV.

SHEET NO. 5 OF 10



SECTION C / 6
SCALE: 1/2 FULL

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



SECTION D / 6
SCALE: 1/2 FULL

NAIL FIN & JAMB EXTENSIONS ARE NOT SHOWN BUT MAY BE USED IN ADDITION TO ANCHORS SHOWN.

PRODUCT REVISED
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Acceptance No 14-0428.06
Expiration Date 02/10/2016
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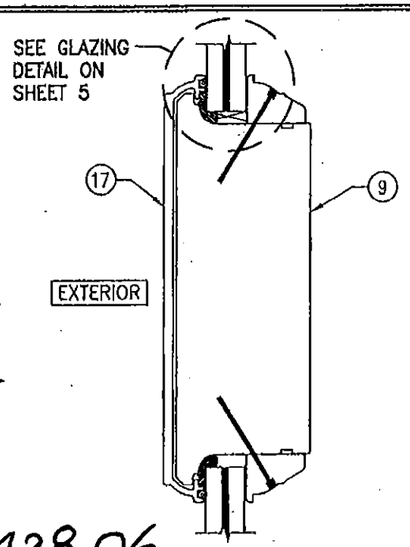
Miami Dade Product Control



SECTION G / 6
SCALE: 1/2 FULL

PRODUCT REVISED
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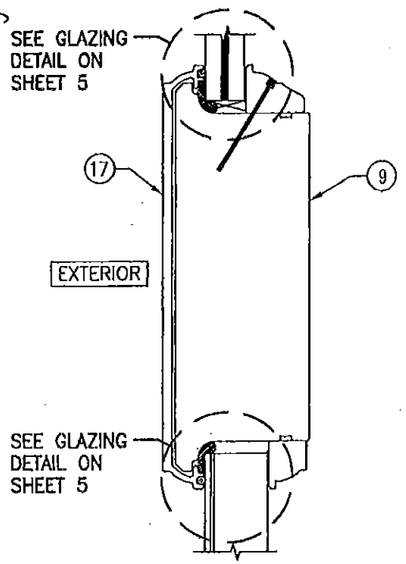
Acceptance No 11-1026.16
Expiration Date 02/10/2016
By
Miami Dade Product Control



SECTION H / 6
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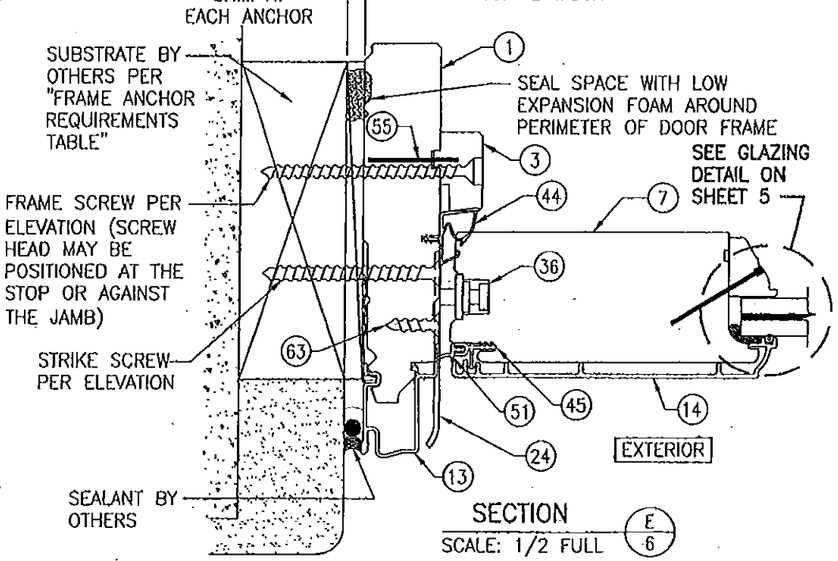
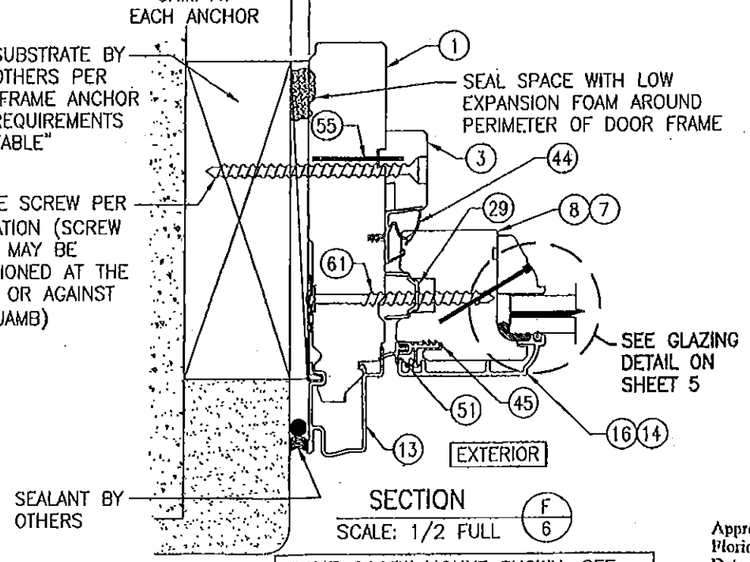


SECTION E / 6
SCALE: 1/2 FULL

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



SECTION F / 6
SCALE: 1/2 FULL

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

Approved as complying with the Florida Building Code
Date 02/10/2011
NOA# 10-1122.03
Miami Dade Product Control
By

WARREN W. SCHAEFER LICENSE NO. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

NO.	REVISION DESCRIPTION	BY	DATE

DRAWN BY: W.W.S. | CHECKED BY: W.W.S.
PLOT: 1=24 | DATE: 12/13/10

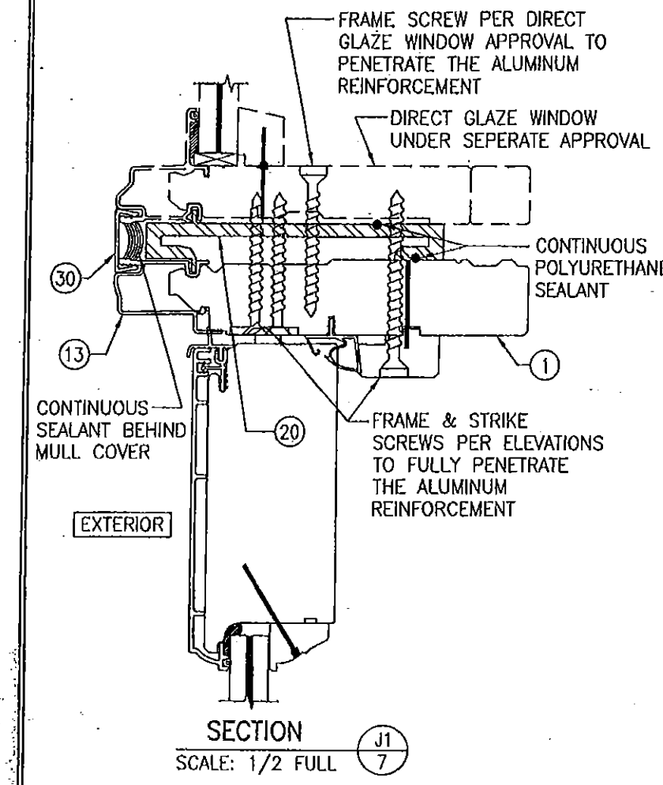
DRAWING TITLE: ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS

MANUFACTURER: PELLA CORPORATION, 102 MAIN STREET, PELLA, IA 50219

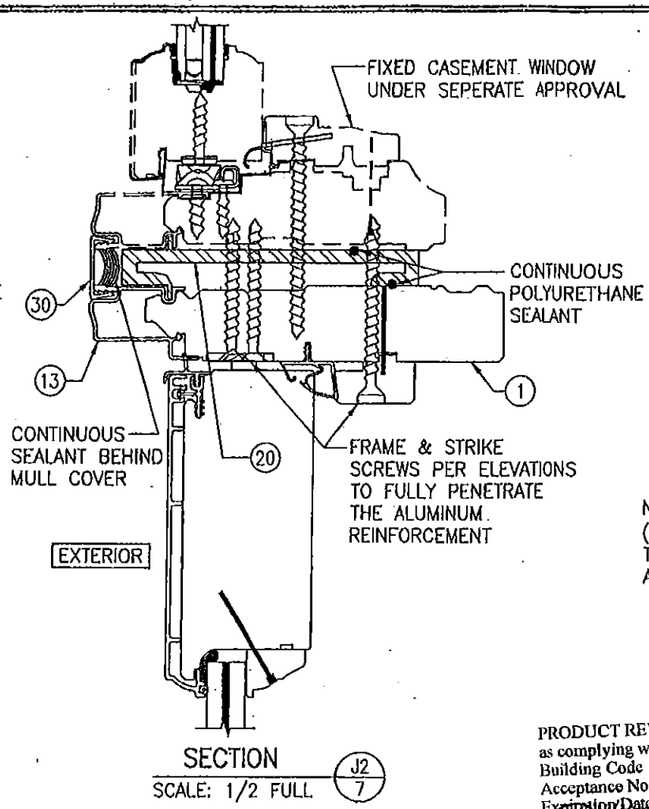
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809), 7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418, PHONE 561-744-3424

CERTIFICATION: JAN 06 2011
WARREN W. SCHAEFER P.E. NO. 44135

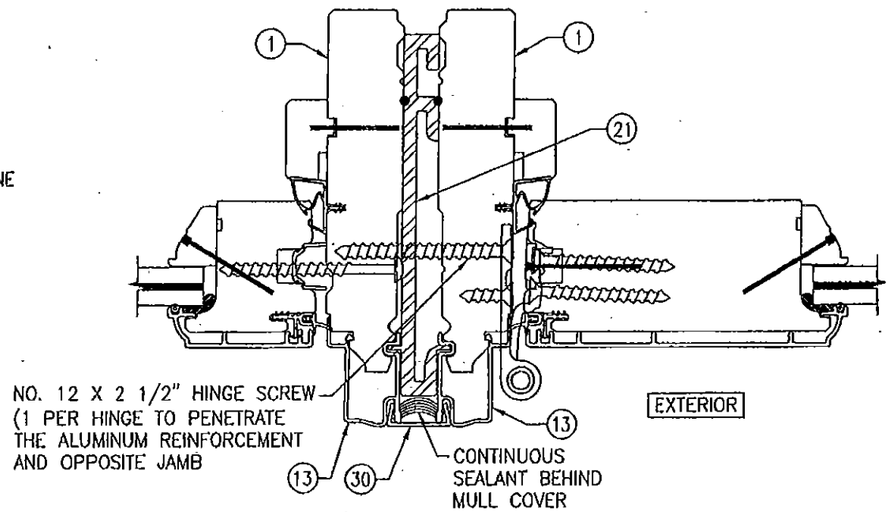
DRAWING NO. 1729 | REV.
SHEET NO. 6 OF 10



SECTION J1 / 7
SCALE: 1/2 FULL



SECTION J2 / 7
SCALE: 1/2 FULL



SECTION K1 / 7
SCALE: 1/2 FULL
(HINGE JAMB MULLED TO FIXED PANEL JAMB)

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-0428.06
Expiration Date 02/10/2016
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Miami Dade Product Control

PRODUCT REVISED
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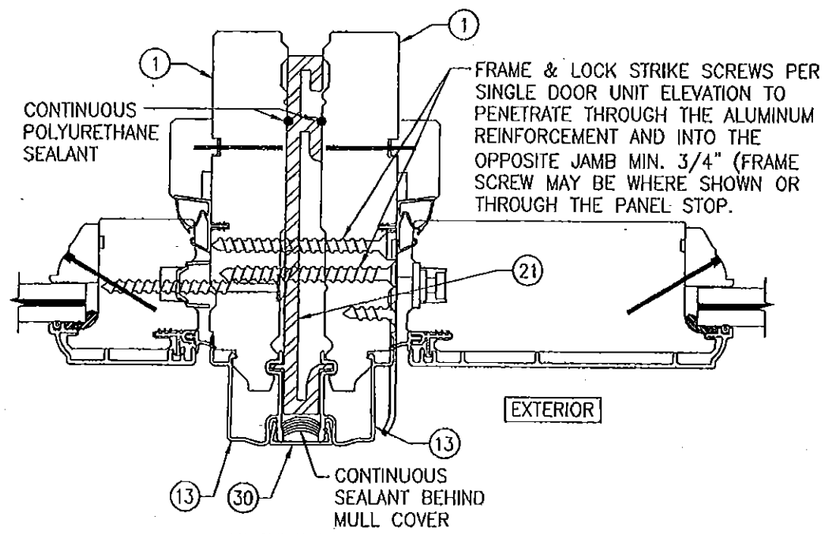
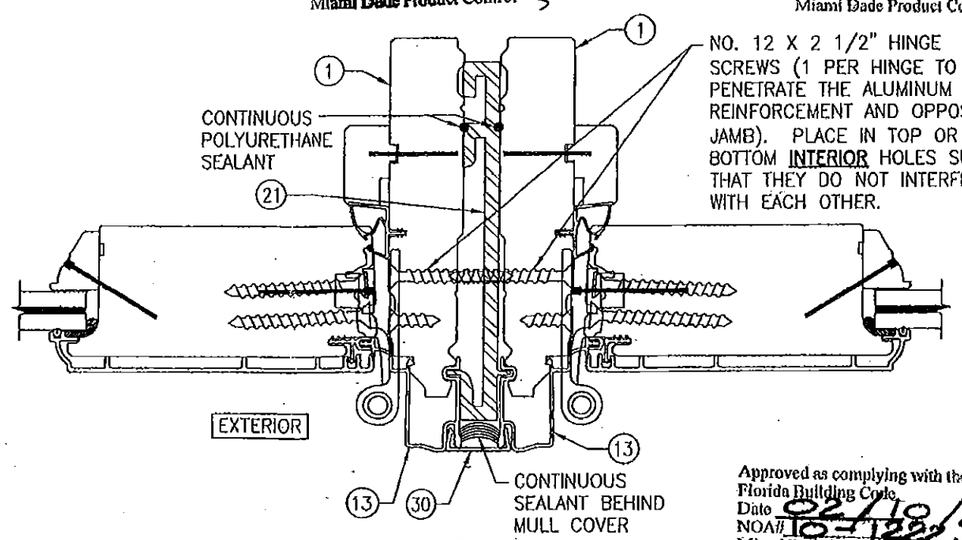
Acceptance No 11-1026.16
Expiration Date 02/10/2016
By
Miami Dade Product Control



SECTION K2 / 7
SCALE: 1/2 FULL
(LOCK JAMB MULLED TO FIXED PANEL JAMB)



SECTION K3 / 7
SCALE: 1/2 FULL
(HINGE JAMB MULLED TO HINGE JAMB)

Approved as complying with the Florida Building Code
Date 02/10/2011
NOA# 10-1122.03
Miami Dade Product Control
By

WARREN W. SCHAEFER LICENSE NO. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

JAN 06 2011
CERTIFICATION

WARREN W. SCHAEFER P.E. LICENSE NO. 44135

NO.	REVISION DESCRIPTION	BY	DATE

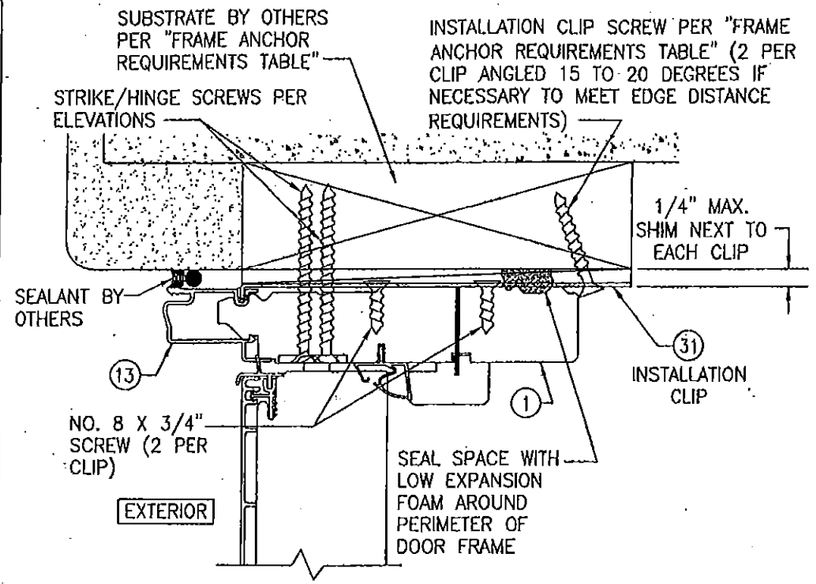
DRAWN BY: W.W.S. | CHECKED BY: W.W.S.
PLOT: 1=24 | DATE: 12/13/10

DRAWING TITLE: ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS

MANUFACTURER: PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL. 33418
PHONE: 561-744-3424

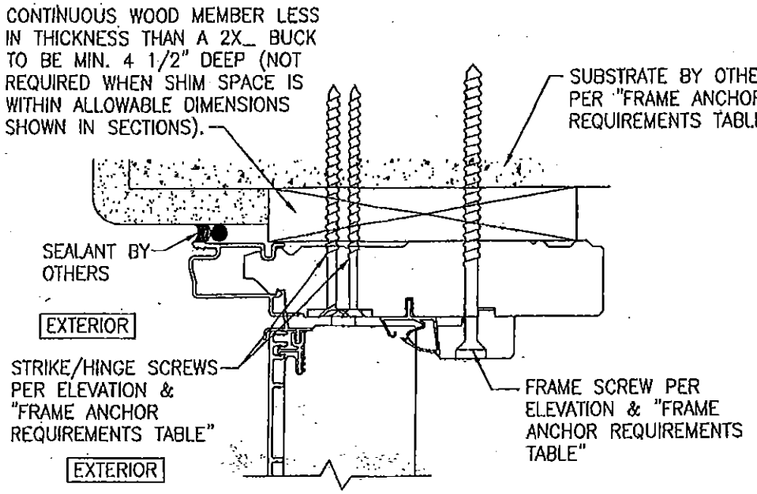
DRAWING NO. 1729 | REV.
SHEET NO. 7 OF 10



INSTALLATION CLIP DETAIL

CLIP INSTALL NOTES:

1) HEAD SECTION SHOWN. CLIP IS INSTALLED THE SAME AT THE SIDES.
2) INSTALLATION CLIP IS NOT APPLICABLE AT THE SILL.
3) FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.



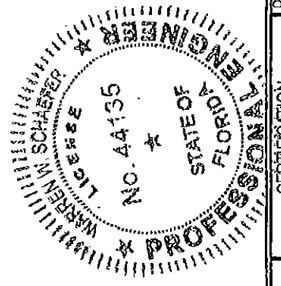
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-0428.06
Expiration Date 02/10/2016
By
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1026.16
Expiration Date 02/10/2016
By
Miami Dade Product Control

Approved as complying with the
Florida Building Code
Date 02/10/2011
NOA# 10-1215.03
Miami Dade Product Control
By



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 12/13/10

NO.	REVISION DESCRIPTION	BY	DATE

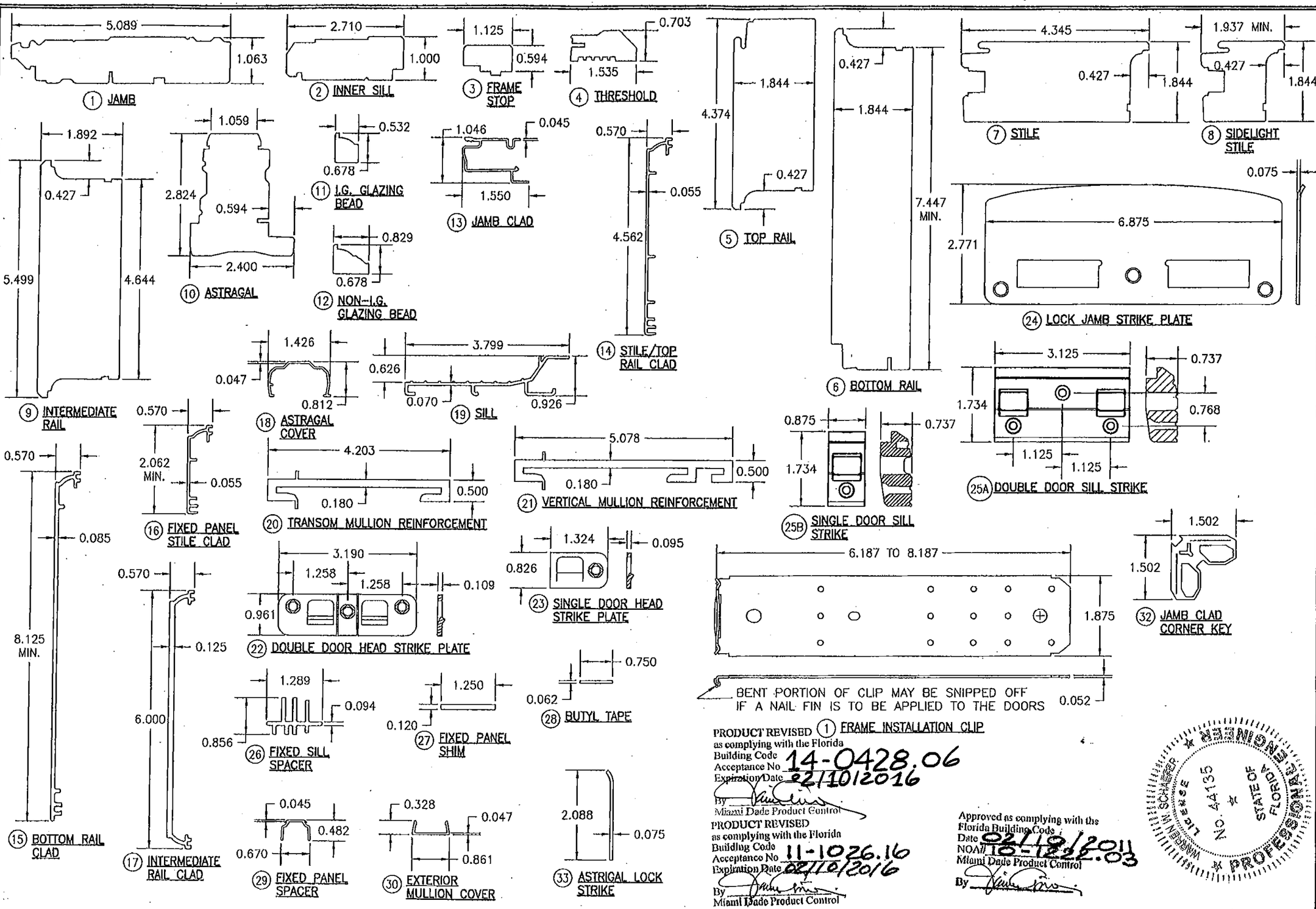
DRAWING TITLE
ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS

MANUFACTURER
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION
JAN 06 2011
WARREN M. SCHAEFER, P.E.
FL. NO. 44135

DRAWING NO. 1729
REV.
SHEET NO. 8 OF 10



PRODUCT REVISED (1) FRAME INSTALLATION CLIP
as complying with the Florida Building Code
Acceptance No 14-0428.06
Expiration Date 02/10/2016
By
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-1026.16
Expiration Date 02/10/2016
By
Miami Dade Product Control

Approved as complying with the Florida Building Code
Date 02/10/2011
NOA# 10-1222.03
Miami Dade Product Control
By

WARREN W. SCHAEFER LIC. NO. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN BY: W.W.S. | CHECKED BY: W.W.S.
PLOT: 1-24 | DATE: 12/13/10

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE: ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS

MANUFACTURER: PELLA CORPORATION, 102 MAIN STREET, PELLA, IA 50219

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809), 7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418, PHONE: 561-744-3424

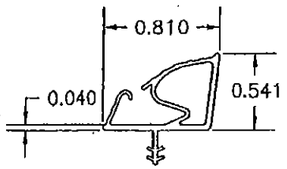
CERTIFICATION
JAN 06 2011
WARREN W. SCHAEFER P.E. P.E. NO. 44135

DRAWING NO. 1729 | REV.
SHEET NO. 9 OF 10

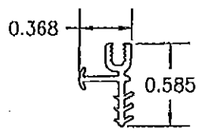
ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
	PARTS	
1	JAMB	WESTERN PINE
2	INNER SILL	WESTERN PINE
3	FRAME STOP	WESTERN PINE
4	THRESHOLD	WESTERN PINE
5	TOP RAIL	WESTERN PINE
6	BOTTOM RAIL	WESTERN PINE
7	STILE	LOCK STILE IS WESTERN PINE WITH LVL CORE. HINGE STILE IS WESTERN PINE
8	SIDELIGHT STILE	WESTERN PINE
9	INTERMEDIATE RAIL	WESTERN PINE
10	ASTRAGAL	WESTERN PINE
11	I.G. GLAZING BEAD	WESTERN PINE
12	NON-I.G. GLAZING BEAD	WESTERN PINE
13	JAMB CLAD	6063-T6 ALUMINUM
14	STILE/TOP RAIL CLAD	6063-T5 ALUMINUM
15	BOTTOM RAIL CLAD	6061-T6 ALUMINUM
16	FIXED PANEL STILE CLAD	6061-T6 ALUMINUM
17	INTERMEDIATE RAIL CLAD	6061-T6 ALUMINUM
18	ASTRAGAL COVER	6061-T6 ALUMINUM
19	SILL	6061-T6 ALUMINUM
20	TRANSOM MULLION REINFORCEMENT	6061-T6 ALUMINUM
21	VERTICAL MULLION REINFORCEMENT	6061-T6 ALUMINUM
22	DOUBLE DOOR HEAD STRIKE PLATE	300 SERIES S.S.
23	SINGLE DOOR HEAD STRIKE PLATE	300 SERIES S.S.
24	LOCK JAMB STRIKE PLATE	BRASS
25A	DOUBLE DOOR SILL STRIKE	DELRIN 500P ACETAL
25B	SINGLE DOOR SILL STRIKE	DELRIN 500P ACETAL
26	FIXED SILL SPACER	PVC
27	FIXED PANEL SHIM	PVC
28	BUTYL TAPE	--
29	FIXED PANEL SPACER	PVC
30	EXTERIOR MULLION COVER	6063-T6 ALUMINUM
31	FRAME INSTALLATION CLIP	50 KSI GALVANIZED STEEL
32	JAMB CLAD CORNER KEY	NYLAMID 201
33	ASTRAGAL LOCK STRIKE	BRASS
	HARDWARE	
36	3-POINT ACTIVE LOCK SYSTEM	AMESBURY P2000 STAINLESS STEEL
37	2-POINT INACTIVE LOCK	AMESBURY P2000 STAINLESS STEEL
38	HANDLE	AS REQUIRED TO OPERATE LOCK SYSTEM
39	HINGE	AMESBURY 6063-T6 ALUM WITH S.S. PIN
	SEALS & SEALANTS	
44	WEATHERSTRIP	FLEXIBLE SANTOPRENE & GLASS FILLED POLYPROPYLENE
45	STILE/TOP RAIL RECEPTOR	PVC
46	TOP RAIL RAINSCREEN	FLEXIBLE SANTOPRENE & GLASS FILLED POLYPROPYLENE
47	WEATHERSTRIP	FLEXIBLE SANTOPRENE & GLASS FILLED POLYPROPYLENE
48	BRISTLE STRIP	POLYPROPYLENE
49	SPLINE	PVC
50	BOTTOM RAIL RECEPTOR	PVC
51	STILE RAINSCREEN	FLEXIBLE SANTOPRENE & GLASS FILLED POLYPROPYLENE

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
	FASTENERS	
55	18 GAGE 3/16" X 1 1/4" STAPLE	4" FROM CORNERS & 12" MAX. O.C.
56	1 1/2" BRAD NAIL	3" FROM CORNERS AND 6" O.C.
57	NO. 6 X 3/4" SCREW	1.5" FROM ENDS; 3 EQUALLY SPACED
58	NO. 12 X 3/4" S.S. SCREW	3 PER HINGE
59	NO. 8 X 3" S.S. SCREW	9 PER ASTRAGAL
60	-	-
61	NO. 8 X 2 1/2" WOOD SCREW	3 AT EA. HEAD & SILL; 13.5" UP FROM SILL & 9" O.C. AT SIDES
62	NO. 8 X 2" S.S. SCREW	3 PER HINGE
63	NO. 8 X 3/4" S.S. SCREW	3 PER ASTRAGAL STRIKE; 2 PER JAMB STRIKE

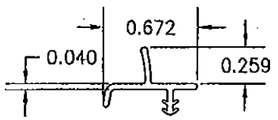
NOTE: WOOD USED IN TESTING WAS WESTERN PINE WITH A SPECIFIC GRAVITY OF G = 0.43 AND A MODULUS OF ELASTICITY OF E = 1,200,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY PELLA CORPORATION TO SELECT.



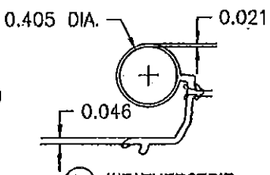
(44) WEATHERSTRIP



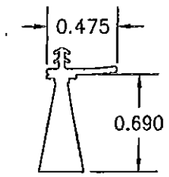
(45) STILE/TOP RAIL RECEPTOR



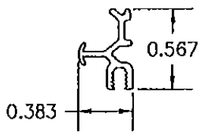
(46) TOP RAIL RAINSCREEN



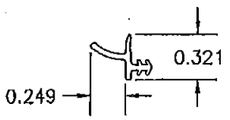
(47) WEATHERSTRIP



(48) BRISTLE STRIP



(50) BOTTOM RAIL RECEPTOR



(51) STILE RAINSCREEN

PRODUCT REVISED
as complying with the Florida
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Expiration/Date 02/10/2016
By
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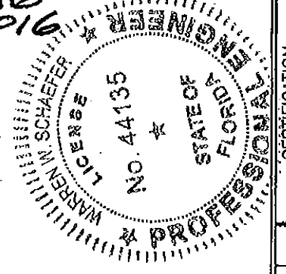
Miami Dade Product Control
By



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PLOT: 1=24 | DATE: 12/13/10

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE
ARCHITECT 850 SERIES OUT-SWING ALUMINUM CLAD WOOD DOORS

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JAN 06 2011
WARREN W. SCHAEFER, P.E.
FLE NO. 44135

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